Conduit Systems - Interfaces

AMP Superseal Hinged Connector Interface

Harnessflex
SPECIALIST CONDUIT SYSTEMS

Technical Characteristics

Conforms to	CE Mark to the low voltage directive RoHS Compliant to 2011/65/EU Conforms with end of life vehicle directive (ELV)EU200/53/EC
Approvals and Standards	CE RoHS
Degree of mechanical protection	Medium
Degree of protection	IP40 - Hinged Connector Interface fittings
UV protection	Very High (Black)
Finish	Black (BL)
Application	Single junction straight and 90° elbow fittings providing high integrity connections between AMP Superseal or Junior timer connectors and Harnessflex conduit systems. In addition, 90° elbow versions allow the conduit to swivel 360° around the connector housing, sufficient to avoid the problems associated with one-piece interfaces of overflexing due to movement or vibration.
Normal operating temperature range	Minimum Temperature: **- 40°C** Maximum Temperature: **+120°C**
For use with - Conduit range	For use with all Conduits in the Harnessflex range
Fire performance	Self Extinguishing Low smoke toxicity & Halogen Free
Chemical resistance & Storage data	Click or See page 3
Type of material	Polyamide (Nylon) PA 66 - heat and UV stabilised
Image	

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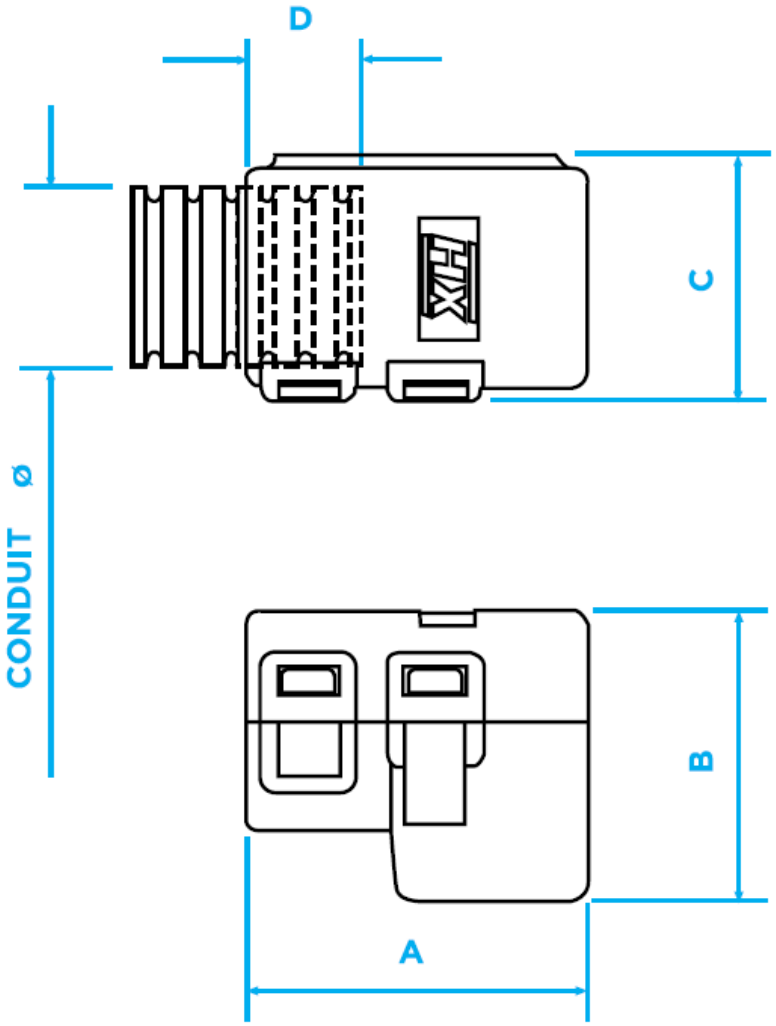
Part Number Configuration

Part No. Straight Interface	Conduit Size		Nominal Dimensions (mm)				Connector Reference
	(NC)	(NW)	A	B	C	D	
CI08-AS1	08	7.5	23.6	16.1	18	10	AMP Superseal 1-way
CI08-AS2	08	7.5	22.4	20.5	18	10	AMP Superseal 2-way
CI08-AS3	08	7.5	22.4	26.5	18	10	AMP Superseal 3-way
CI08-AS4	08	7.5	34.0	33.0	18	10	AMP Superseal 4-way
CI10-AS2	10	8.5	34.0	21.0	20	10	AMP Superseal 2-way
CI10-AS3	10	8.5	34.0	27.0	20	10	AMP Superseal 3-way
CI10-AS4	10	8.5	34.0	33.0	20	10	AMP Superseal 4-way
CI12-AS1	12	10	23.6	16.1	18	10	AMP Superseal 1-way
CI12-AS2	12	10	22.4	20.5	18	10	AMP Superseal 2-way
CI12-AS3	12	10	22.4	26.5	18	10	AMP Superseal 3-way
CI12-AS4	12	10	34.0	33.0	19	10	AMP Superseal 4-way



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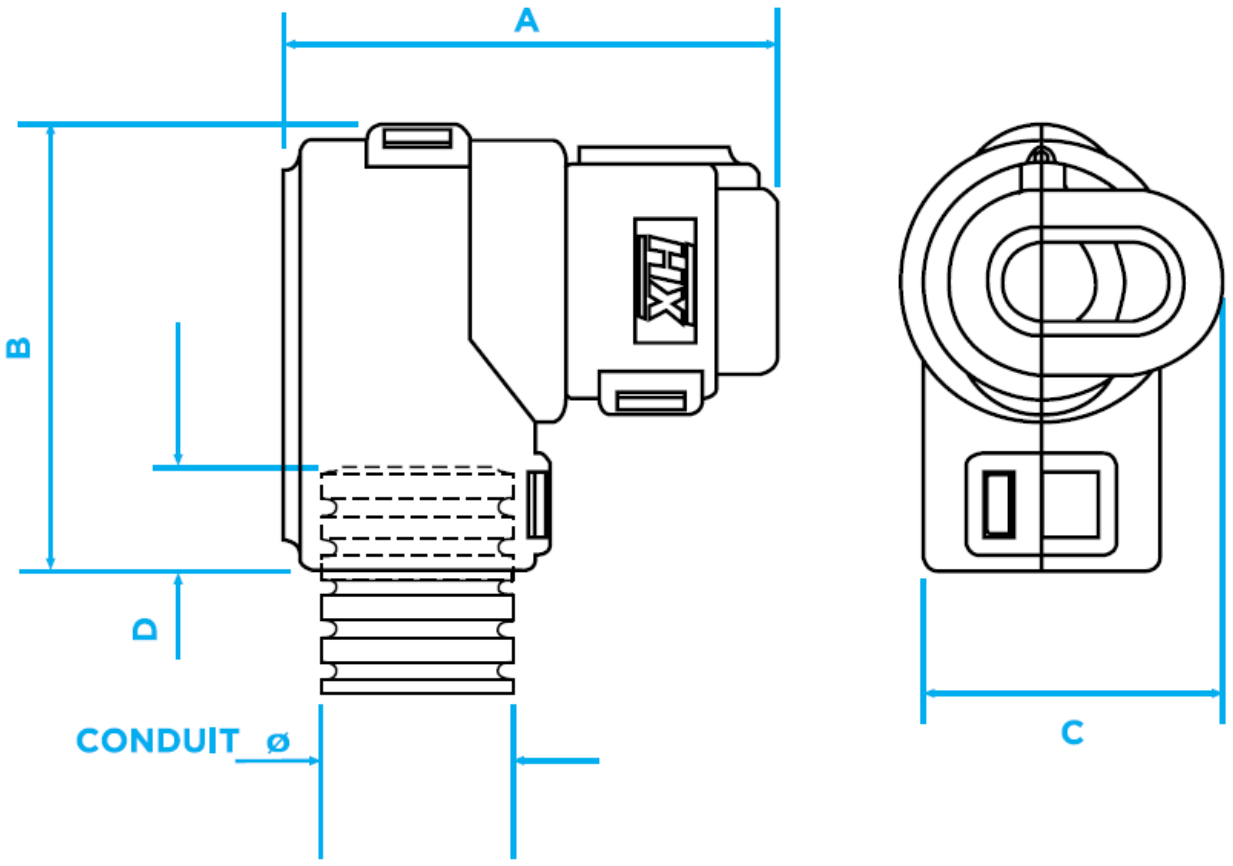
Part Number Configuration

Part No. 90° Degree Elbow	Conduit Size		Nominal Dimensions (mm)				Connector Reference
	(NC)	(NW)	A	B	C	D	
CI08-90-AS1	08	7.5	37.5	30.3	18	10	AMP Superseal 1-way
CI08-90-AS2	08	7.5	33.3	30.3	18	10	AMP Superseal 2-way
CI08-90-AS3	08	7.5	33.3	30.3	18	10	AMP Superseal 3-way
CI08-90-AS4	08	7.5	37.0	30.3	18	10	AMP Superseal 4-way
CI10-90-AS2	10	8.5	35.0	38.0	19	10	AMP Superseal 2-way
CI10-90-AS3	10	8.5	35.0	38.0	19	10	AMP Superseal 3-way
CI10-90-AS4	10	8.5	41.2	38.0	19	10	AMP Superseal 4-way
CI12-90-AS1	12	10	33.3	30.3	18	10	AMP Superseal 1-way
CI12-90-AS2	12	10	33.3	30.3	20.5	10	AMP Superseal 2-way
CI12-90-AS3	12	10	33.3	30.3	26.7	10	AMP Superseal 3-way
CI12-90-AS4	12	10	37.0	30.3	33	10	AMP Superseal 4-way



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Chemical Resistance Chart

Key:

Suitable :

Limited Suitability :

Unsuitable :

Not Tested :

Astm No.1	Diesel oil	Methyl Bromide	Sulphur Dioxide (Gas)
Astm No.2	Diethylamine	MEK	Sulphuric Acid (10%)
Astm No.3	Ethanol	Nitric Acid (10%)	Sulphuric Acid (70%)
Acetic Acid (10%)	Ether	Nitric Acid (70%)	Toluene
Acetone	Ethylamine	Oxalic Acid	Transformer Oil
Aluminium Chloride	Ethylene Glycol	Ozone (Gas)	1,1,1-Trichloroethane
Aniline	Ethyl Ethanoate	Paraffin oil	Trichloroethylene
Benzaldehyde	Freon 32	Petrol	Turpentine
Benzene	Hydrochloric Acid (10%)	Phenol	Vegetable Oil
Carbon tetrachloride	Hydrochloric Acid (36%)	Sea Water	Vinyl Acetate
Chlorine water	Hydrogen Peroxide (35%)	Silver Nitrate	Water
Chloroform	Hydrogen Peroxide (87%)	Skydrol	White Spirit
Citric Acid	Lactic Acid	Sodium Chloride	Zinc Chloride
Copper Sulphate	Lubricating oil	Sodium Hydroxide (10%)	
Cresol	Methanol	Sodium Hydroxide (60%)	

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Thomas & Betts for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.
MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

Storage Guidelines

To maintain balanced moisture content, Harnessflex recommends storing products under the following conditions:

Storage temp.	Installation temp.	Rel. humidity
18°C to 30°C	>18°C	>30%

If products from an outside environment are brought into a heated processing area, the change in climate may suddenly cause temporary de-moisturisation around the edges. After 24 hours in the processing area a natural balance will be restored.

Observing this storage recommendation ensures optimum process-ability and material properties.

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